

A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 7 H03K17/082

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H03K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, COMPENDEX, WPI Data, INSPEC, IBM-TDB, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	US 5 994 744 A (KATAYAMA ET AL) 30 November 1999 (1999-11-30) column 1, lines 9-16 column 37, line 65 - column 42, line 60; figures 25-27	1-5, 10 6-9
X A	US 5 666 082 A (WILENKEN ET AL) 9 September 1997 (1997-09-09) the whole document	1-3, 10 4-9
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## ° Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- \*Z\* document member of the same patent family

Date of the actual completion of the international search

19 April 2005

Date of mailing of the international search report

24/05/2005

Name and mailing address of the ISA

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## INTERNATIONAL SEARCH REPORT

Inte 1st Application No  
PCT/IB2004/052081

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WILENKEN R N: "FAULT-TOLERANT ANALOGUE SWITCHES" ELECTRONIC ENGINEERING, MORGAN-GRAMPIAN LTD. LONDON, GB, vol. 71, no. 872, September 1999 (1999-09), pages 17-18,20, XP000954962 ISSN: 0013-4902	1-3, 10
A	the whole document	4-9
A	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 01, 30 January 1998 (1998-01-30) & JP 09 252241 A (FUJITSU LTD; FUJITSU VLSI LTD), 22 September 1997 (1997-09-22) abstract	1-10

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2004/052081

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5994744	A	30-11-1999	JP 3152340 B2	03-04-2001
			JP 9008625 A	10-01-1997
			JP 9069767 A	11-03-1997
			JP 3610683 B2	19-01-2005
			JP 10041798 A	13-02-1998
US 5666082	A	09-09-1997	EP 0867069 A1	30-09-1998
			JP 2000502858 T	07-03-2000
			WO 9724807 A1	10-07-1997
JP 09252241	A	22-09-1997	NONE	